```
.im GMLguide
:GDOC
:FRONTM
:TITLEP
:TITLE stitle='ORIS System Requirements Document'
:TITLE.ORIS
:TITLE.System Requirements Document
:AUTHOR.Richard N. Leon
:ADDRESS
:ALINE.Office Of Information & Technology
:ALINE.Development Group
:ALINE.Development Division I
:ALINE.Branch II
:eADDRESS
:DATE.September 23, 1988
:eTITLEP
:TOC.Table Of Contents
:eFRONTM
:BODY
:H0.INTRODUCTION
:H1.Purpose
The System Requirements Document identifies all major requirements
for the ORIS project.
:FN.ORIS (Officially Released Information System) is a proposed name
for the system and is Latin for "of the mouth." ORIS is intended to
capture what the CIA "says" as other systems capture what the CIA
collects through its "eyes and ears.":eFN
This document will ensure that both Development Group and Management   *SERVICES
Group of Office Of Information and Technology
understand and agree on the requirements for ORIS.
:H1.Scope
This document will identify the requirements for ORIS from
a system perspective.  This document will also include the objectives
of the system from a customer perspective.  Included in this document
will be the requirements needed to implement the ORIS system in terms
of functional, performance, security, hardware, human engineering,
interface and conversion.
:H1.References
The following documents are available as references to this document:
:OL
:LI.FORM 930 number 31 F76 100.
:LI.ORIS System Concept Document, Dated 19 May 1987
:LI.DECAL-II User Manual, Dated December 1981
:eOL
:H0.OVERVIEW
The ORIS project was begun in mid-1970s by Information Services Division
(ISD) to consider establishing an Agency-wide automated system that would
enable the Agency to know precisely what CIA information has been placed
in the public domain; to give Agency officials the capability to readily
determine what CIA information has been officially released and the
circumstances of the release. The efforts of development of the system
were never initiated because of some managerial disagreements and       *DELETE
insufficient hardware/software supports to meet all the requirements.
Thus, this project became inactive for several years.
:P
```

APS due next Tuesday
ORIS due Wed. Edit + send to Leon

In April of 1987, ISD decided to re-activiate this project because they felt that the system could be developed with new technological advancements.
:H0.OBJECTIVE
The primary objective of the ORIS is to provide ISD with a user-friendly system containing information of officially released documents for purposes such as research, analysis, etc.
:P
Currently, the DECAL-II system is an on-line Generalized Information Management System (GIMS) used by ISD. ISD is responsible for recording selected documents that have been released, either in declassified or sanitized form, as a result of Freedom of Information Act (FOIA), ~~Privacy Act (PA)~~, Executive Order (EO) mandatory review, and manuscript review requests from the public.
*DELETE
ORIS Unit
~~Case Off~~ The ~~requester~~ forwards a request form to the ~~ISD staff~~ to scan for any documents in the DECAL-II system which contains a specific keyword in the ~~text or~~ subject line. The system returns the document number which
ORIS Unit was assigned and the *~~ISD staff~~* uses this number to locate the specific microfiche containing the document. The microfiche is then pulled from microfiche library and hard copies are made and then released to the requestor.
:P
Developing the new proposed system to replace the old current system, DECAL-II, will solve the following problems:
:OL
:LI.Speed up the recording process of newly released documents.
:LI.Eliminate the cumbersome indexing process or replace it with a better process.
:LI.Use full-text search capability for a more accurate query.
:LI.Use the optical disk technology to replace microfiche to improve the quality and speed up the dissemination process.
:eOL
:H0.REQUIREMENTS
:H1.FUNCTIONAL REQUIREMENTS
:H2.DATA ENTRY
The ORIS system must provide the capability to electronically capture the information on a document in text and image after feeding a document into the scanner. Both text and image data files must be indexed for cross reference and text data is stored on the hard disk and the image is written permanently to the optical disk.
:H2.QUERY
The system will have full-text search capability for requester to search
ACTION PAT the documents in the file.
:P
--- Who should be able to do the search only? ---
(stand alone - anyone or mainframe - ISD)
ACTION BILL :H2.REPORT GENERATION
--- What type of reports are needed? ---
The ORIS system must provide the capability to transmit an electronic image to a laser printer in order to produce a hard copy of the document.
:H1.PERFORMANCE REQUIREMENTS
ACTION PAT :H2.STORAGE CAPABILITY
As of July 1988, the DECAL-II had approximately 18,000 documents and 141,000 pages, at an estimated seven to eight pages per document. The storage capability of the disk for the ORIS system will vary as a

ACTION - what about capacity currently; in microfiche form; check on growth

function of the density of characters on a page, however the system must be able to handle more than 250 thousand pages. This should be large enough for data growth.
:P
--- What is the initial storage requirement in bytes? --- Leon will figure out
:H2.TIMING
The ORIS system must be designed to perform much faster than the current system in recording, search & retrieval, and dissemination processes.
:H2.BACKUP AND RESTORE
ACTION PAT The system will include the procedures to backup the ORIS database and restore the database if the primary database is corrupted or damaged.
:P
--- What is the storage requirement for this? --- BACKUP IMAGE - PAT
BACKUP TEXT - PAT
Yes - eliminating microfiche
:H1.SECURITY REQUIREMENTS
ACTION PAT :H2.SYSTEM CLASSIFICATION
~~All released documents recorded in~~ the ORIS system will be ~~un~~classified, ~~however the system~~ will be classified Secret ~~because of the presence of document citations that tend to disclose covert locations that warrant that level of protection.~~
one on optical disk.
:H2.HARDWARE Security of Hardware
ACTION PAT All hardware that will be operated in the ORIS system must be tempested.
TEMPEST Confirm
:H1.HARDWARE REQUIREMENTS
:H2.SCANNER
A scanner will be required to read each document and covert it to a data stream (both text and image) which can be stored on magentic and/or optical disks.
ACTION PAT :P
--- How many and how fast must the scanner be? --- 1 quick scanner
:H2.HIGH-RESOLUTION MONITOR
A high-resolution monitor will be required to edit/scan the image.
:P
--- How many? --- 1 monitor or (2) initially
ACTION PAT :H2.OPTICAL DISK DRIVE CONFIRM JUKEBOX OR SINGLE DRIVE
A optical disk drive will be required for the ORIS system to handle the high-capacity, high-performance mass image storage.
We don't know! DG recommendation
:P
--- How many drive? ---
:H2.LASER PRINTER
A laser printer will be required to make high contrast quality plain paper copy and can be distributed to the requester.
:P
--- Any other terminals needed? ---
What's difference in monitor + terminal? Discuss w/ feasibility.
:P
--- Will this be a one workstation system? ---
:H1.HUMAN ENGINEERING REQUIREMENTS
:H2.User Friendly
The ORIS software must be very user friendly and must be implemented for non-computer type personnel. This new system must allow for single key-stroke input whenever possible.
:H2.Maneuverability
- ??? -
:H1.INTERFACE REQUIREMENTS
Currently there will be no interfaces to the ORIS system. The database will be maintained manually.
Discussion
Standalone?
ACTION PAT :H1.CONVERSION REQUIREMENTS

All released documents currently stored in the microfiche library will be manually converted to the ORIS system by ISD personnel.
:P
--- How? Who is responsible? --- DG currently reviewing how to convert microfiche. [redacted]
:eBODY
:BACKM
:eBACKM

TRAINING, COST? HOW TO BE DONE? CALL P&PD?

Until new system